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7 May 1968

MEMORANDUM FOR THE RECORD

SUBJECT: Optical Bar Data Recording Conference

1. Meetings convened at  on 30 April and 3 May 1968 between representatives of NPIC, OSA, Itek, OEL, EDL (Sylvania), and OCS were addressed to the identification of vehicle and camera data to be recorded on tape or film to assist NPIC or other users in exploiting film from the rotating optical bar camera.

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2. It was agreed that the following data would be tape recorded:

(1)	Frame #	XXXX
(2)	Time .01 sec GMT	XXXXXX.XX
(3)	Latitude (Deg., Min., Sec.)	XXXXXX.XXN (or S)
(4)	Longitude (Deg., Min., Sec.)	XXXXXXX.XXE (or W)
(5)	Altitude (Pressure, Feet)	XXXX.
(6)	True Heading (Degrees)	XXX.X
(7)	Ground Speed (Knots)	XXX.
(8)	Pitch (Degrees + nose up)	+XX.X
(9)	Roll (Degrees + nose right)	+XX.X
(10)	Yaw (Degrees + nose left)	+XX.X
(11)	Pointing Angle (0 Vertical, 1 Fore, 2 Aft)	X
(12)	Camera designator (1 or 2)	X

One line recorded each 10 seconds and one line for each sensor operation at center of format.

Items will have constant field width, i.e., decimal points lined up and leading zeros where applicable.

3. To be recorded on film is center of format mark plus 30 and 60 degree marks, frame count, time clock and V/H or cycle rate, annotation pad, indicator lamps for mode V - fore or aft and data block identity for frame.

4. OEL and EDL agreed that recording could be accomplished in the manner specified. Itek agreed that frame count and

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pointing angle signal could be supplied to the recorder. OCS agreed that recording was computer compatible and NPIC agreed that data was acceptable for film exploitation. A final interface meeting will be held in June with the same principals to verify interface compatibility.

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Sensor Systems Division  
Special Activities

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SSD/R&D/OSA/[redacted]:bjg (7 May 68)

Distribution:

- #1 - D/M/OSA
- #2 - D/O/OSA
- #3 - IDEA/OSA
- #4 - OEL [redacted]
- #5 - NPIC [redacted]
- #6 - OCS [redacted]
- #7 - D/R&D/OSA
- #8 - SSD/R&D/OSA
- #9 - SSD/R&D Chrono
- #10 - RB/OSA
- #11 - A(T)D/R&D/OSA

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